

Oughta Cost System

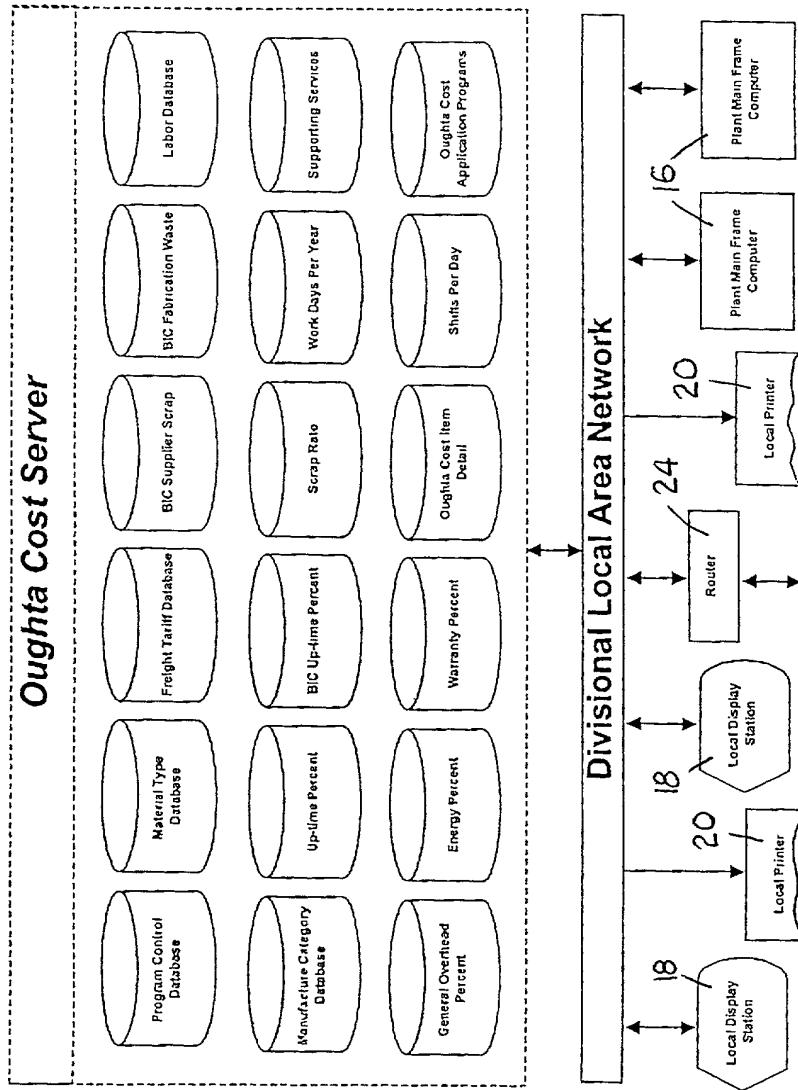


Fig 1A

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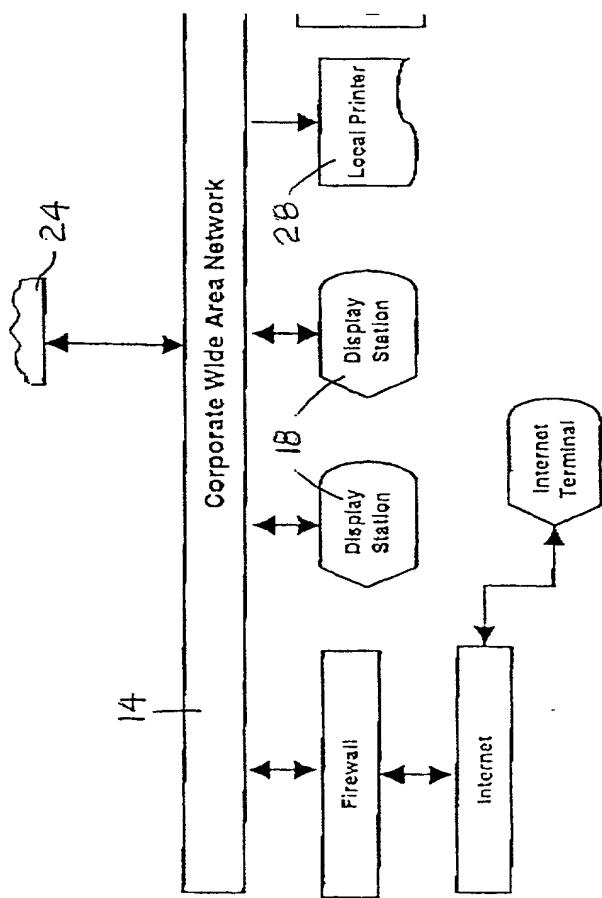


Fig 1B

T D G T C D " E O g e E 8 \$ 0

◀ ▶

Oughta Cost System

Oughta Cost Search

Existing Oughta Cost Studies

Program #	Description	Status	Owner
01122000001	New Crankshaft	Public	Ray Goss
10292000002	Machine New Head	Private	Bill Warren
01222001004	New Care Assembly Process	Public	Gary Denkau

Name of New Oughta Cost Study

Copy An Existing Study Create New Study

Open Study Reports Exit

◀ ▶

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F|G 2

Material		Material Type		Supplier Scrap:		Fabrication Waste:		Freight		Origin		Destination		Mode		Cost Components		Material			
<input checked="" type="checkbox"/>		<input type="button" value="▼"/>	<input type="button" value="▲"/>																		

FIG 4

T U S T C O M P A N Y

Program # 02010100001 | Component: Shaft | Component # 100 | Status: Public

Material	Material Type	Steel Forging
	Supplier Scrap:	5.00%
	Fabrication Waste:	
Cost Components		
-Material		
-Capital		
-Labor		
-Manufacturing		
-Overhead		
Reports		
Home		
Exit		

Freight

Origin	5.10%
Destination	5.20%
Mode	5.30%
	5.40%
	5.50%
	0%

Weight Needed _____
Material Cost \$ _____
Dunnage \$ _____
Cost \$ _____
Rates/CWT \$ _____

Materials Table

Material Code	Unit of Measure	Category	Description
1-112-A	Ton	Forging	Steel Forging

Comments

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FIG 5

F I G U R E 0 9 E 8 5 0

Program # 02010100001 | Component: Skaff | Component # 100 | Status: Public

Material	Material Type	Steel Forging
	Supplier Scrap:	5.00%
Cost Components	Fabrication Waste	5.00%
-Material		
-Capital		
-Labor		
-Manufacturing		
-Overhead		
Reports		
Home		
Exit		

Freight

Origin	New York	Total Weight Needed	[111]	Returnable Containers	<input type="checkbox"/>
Destination	California	Total Material Cost	\$	Dunnage	<input type="checkbox"/>
Mode	<input checked="" type="checkbox"/> Freight Cost	\$		Rates/CWT	\$
	<input checked="" type="checkbox"/> Truck Load	\$		Less Than Truck Load	
	<input checked="" type="checkbox"/> Rail	\$			
	<input checked="" type="checkbox"/> Boat	\$			

Materials Table

Material Code	Unit of Measure	Category	Description
1-112-A	Ton	Forging	Steel Forging

Comments

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FIG 6

TOOT TOE EEE \$16.00

Material		Program # 02010100001 Component: Shaft Component # 100 Status: Public		
x	Material Type	Steel Forging		
	Supplier Scrap:	5.00%		
	Fabrication Waste:	5.00%		
Cost Components				
-Material				
-Capital				
-Labor				
-Manufacturing				
-Overhead				
Reports				
Home				
Exit				
Freight				
Origin	New York	Total Weight Needed	111	Returnable Containers
Destination	California	Total Material Cost	\$51.06	Dunnage
Mode	Truck Load	Freight Cost	\$1.11	
		Rates/CWT	\$1.00	
Materials Table				
Material Code	Unit of Measure	Category	Description	
1-112-A	Ton	Forging	Steel Forging Crankshaft for 2003 model year V8	
Comments				
This study has only one component.				

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FIG 7

Tool Engineering 250

Labor					
Program # 01122000001 Component: Shaft Component # 123456 Status: Public					
Cost Components	Supporting Services: <input checked="" type="checkbox"/>	Region: North <input type="button" value="▼"/>			
-Material	Machining Type: Transfer Line <input type="checkbox"/>	Skill Level: Standard Machining <input type="checkbox"/>			
-Capital	Additional Labor \$ 0.00				
-Labor					
-Manufacturing					
Overhead					
Reports					
Home					
Save & Exit					
Employee Type	Number Required	Operation # (Op #)	Default Labor Rate	Employee Benefit (% of Labor Rate)	Employee Benefits
DIRECT LABOR					
Machine Operators	3	10	\$11.00	50 %	\$5.50
Machine Operators	3	20	\$11.00	%	\$3.50
Assembly Test	0		\$9.00	%	\$3.50
INDIRECT LABOR					
Material Handling	.5	10	\$18.00	%	\$4.00
Shipping	2	30	\$11.00	%	\$4.00
Receiving	.2	05	\$18.00	%	\$4.00
Line Stocking	1	10	\$7.00	%	\$3.50
Material Scheduler	.25		\$16.00	%	\$3.00
Inspection	25	20	\$18.00	%	\$4.00
Quality	.25	20	\$19.00	%	\$4.50
Supervisor	1		\$14.00	%	\$4.00

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FIG 8

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G
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T O G F C O " E N G E R G E 260

Manufacturing Program #: 01122000001 | Component: Shaft | Component # 123456 | Status: Public

<input checked="" type="checkbox"/>	Manufacturing Category	Transfer Line
Uptime Current	<input type="button" value="▼"/>	
Uptime Work Class	50%	
Scrap Rate	51%	
Volume	per	<input type="button" value="▼"/>
-Manufacturing	52%	
-Overhead	53%	
Reports	54%	
Home	100% Manufacturing Time	
Work Days per Year	<input type="button" value="▼"/>	
Work Shifts per Day	<input type="button" value="▼"/>	
Work Hours per Shift	<input type="button" value="▼"/>	
Component	<input type="button" value="▼"/>	
Manufacturing Utilization	<input type="button" value="▼"/>	

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="button" value="▼"/>
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="button" value="▼"/>
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="button" value="▼"/>

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FIG 10

T O S T E C T M E N G E G E D

Manufacturing		Program # 011122000001 Component: Shaft Component # 123456 Status: Public	
<input checked="" type="checkbox"/> Edit		Transfer Line	
Uptime Current <input type="checkbox"/> 50% Edit		Cost Components <input type="checkbox"/> Material Edit	
Uptime World Class <input type="checkbox"/> Edit		Scrap Rate <input type="checkbox"/> 70% Edit <input type="checkbox"/> 75% Edit <input type="checkbox"/> 80% Edit	
<input type="checkbox"/> Capital Edit		<input type="checkbox"/> Volume Edit <input type="checkbox"/> per Edit	
<input type="checkbox"/> Labor Edit		<input type="checkbox"/> Manufacturing Time Edit	
<input type="checkbox"/> Manufacturing Edit		<input type="checkbox"/> Overhead Edit	
<input type="checkbox"/> Reports Edit		<input type="checkbox"/> Work Days per Year Edit <input type="checkbox"/> 95% Edit <input type="checkbox"/> 100% Edit	
<input type="checkbox"/> Home Edit		<input type="checkbox"/> Work Shifts per Day Edit	
<input type="checkbox"/> Work Hours per Shift Edit		<input type="checkbox"/> Component Edit	
<input type="checkbox"/> Manufacturing Utilization Edit		<input type="checkbox"/> Manufacturing Utilization Edit	
Manufacturing Time			
Manufacturing Time			
Requires Manpower	Equipment #	Op #	Unit of Measure
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add Manufacturing Time Element			

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FIG 11

TOELENT ENGINEERING

Manufacturing Program # 01122000001 | Component: Shaft | Component # 123456 | Status: Public

Manufacturing Category	Transfer Line
Uptime Current	50%
Uptime Work Class	90%
Scrap Rate	0%
Volume	per []
Manufacturing	5.00%
Overhead	5.10%
Manufacturing	5.20%
Reports	5.30%
Home	5.40%
Work Days per Year	5.50%
Work Shifts per Day	5.60%
Work Hours per Shift	5.70%
Component	5.80%
Manufacturing Utilization	5.90%

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes	[]	[]	[]	[]	[]
<input type="checkbox"/> Yes	[]	[]	[]	[]	[]
<input type="checkbox"/> Yes	[]	[]	[]	[]	[]
Add Manufacturing Time Element					

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FIG 12

Manufacturing

Program #01122000001 | Component: Shaft | Component #123456 | Status: Public

Manufacturing Category	Transfer Line
Uptime Current	50%
Uptime World Class	90%
Scrap Rate	0%
Volume	20,000 per Year

Available Manufacturing Time

Work Days per Year
240

Work Shifts per Day
2

Work Hours per Shift
8

Component
Manufacturing Utilization

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input checked="" type="checkbox"/> Yes	No	12345	05	sec	
<input type="checkbox"/> Yes	No			min	
<input type="checkbox"/> Yes	No			hour	

Add Manufacturing Time Element

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FIG 13

F|G|4

Manufacturing		Program # 011220000001 Component: Shaft Component # 123456 Status: Public		
<input checked="" type="checkbox"/>	Manufacturing Category	Transfer Line		
Cost Components	Uptime Current	50%	<input type="button" value="▼"/>	
-Material	Uptime World Class	90%	<input type="button" value="▼"/>	
-Capital	Scrap Rate	0%	<input type="button" value="▼"/>	
-Labor	Volume	20,000	per Year	<input type="button" value="▼"/>
-Manufacturing Overhead	<u>Available Manufacturing Time</u>			
Reports Home	Work Days per Year	240		
	Work Shifts per Day	2		
	Work Hours per Shift	8		
	Component Manufacturing Utilization	50%		
Manufacturing Time				
Requires Manpower	Equipment #	Op #	Unit of Measure	Time
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	123456	05	sec	80 86,400
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	246810	10	sec	80 86,400
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	357159	20	min	1.3 86,400
<input type="button" value="Add Manufacturing Time Element"/>				

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F|G|4

Depreciation							Comments	
Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component		
Building	1	\$200,000	30	\$6,667	50 %	\$3,334		
Tooling	10	\$800	1	\$800	100 %	\$800		
Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500		
					%			
TOTALS		\$225,800		\$12,467		\$7,634		

Startup Costs	\$20,000
Engineering Support	\$10,000
Warranty Cost (% of Sales)	0.1 % ▶

Additional Expenses	
Cost Category	Cost Desq
	0.2 %
	0.3 %
	0.4 %
	0.5 %
	▶
	▶
	▶
	▶
	▶
	▶

Cost (\$)	Occurrence
	▶
	▶
	▶
	▶
	▶
	▶
	▶
	▶

Add Cost Category

FIG 15

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FIG 15

He was a man of great energy and determination, and he worked hard to establish himself in the business world. He had a strong work ethic and believed in the importance of hard work and dedication.

OverHead		Program # 01122000001 Component: Shaft Component # 123456 Status: Public																																				
Depreciation																																						
<table border="1"> <thead> <tr> <th>Asset Class</th> <th># of Items</th> <th>Total Capital</th> <th>Depreciation Years</th> <th>Annual Depreciation</th> <th>Component Rate</th> <th>Annual Depreciation Contributed by Component</th> </tr> </thead> <tbody> <tr> <td>Building</td> <td>1</td> <td>\$200,000</td> <td>30</td> <td>\$6,667</td> <td>50 %</td> <td>\$3,334</td> </tr> <tr> <td>Tooling</td> <td>10</td> <td>\$800</td> <td>1</td> <td>\$800</td> <td>100 %</td> <td>\$800</td> </tr> <tr> <td>Machine Tools</td> <td>1</td> <td>\$25,000</td> <td>5</td> <td>\$5,000</td> <td>70 %</td> <td>\$3,500</td> </tr> <tr> <td>TOTALS</td> <td></td> <td>\$225,800</td> <td></td> <td>\$12,487</td> <td></td> <td>\$7,634</td> </tr> </tbody> </table>		Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component	Building	1	\$200,000	30	\$6,667	50 %	\$3,334	Tooling	10	\$800	1	\$800	100 %	\$800	Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500	TOTALS		\$225,800		\$12,487		\$7,634		
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<p>Startup Costs <input type="text" value="\$20,000"/></p> <p>Engineering Support <input type="text" value="\$10,000"/></p> <p>Warranty Cost (% of Sales) <input checked="" type="checkbox" value="0.1%"/> ▶</p>																																						
		<p>Additional Expenses</p> <table border="1"> <thead> <tr> <th>Cost Category</th> <th>Cost Description</th> <th>Cost (\$)</th> <th>Occurrence</th> </tr> </thead> <tbody> <tr> <td>Pershable Tooling</td> <td></td> <td></td> <td>▶</td> </tr> <tr> <td>MRO</td> <td></td> <td></td> <td>▶</td> </tr> <tr> <td>General Overhead</td> <td></td> <td></td> <td>▶</td> </tr> <tr> <td>Energy</td> <td></td> <td></td> <td>▶</td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td>▶</td> </tr> </tbody> </table>		Cost Category	Cost Description	Cost (\$)	Occurrence	Pershable Tooling			▶	MRO			▶	General Overhead			▶	Energy			▶	Other			▶											
Cost Category	Cost Description	Cost (\$)	Occurrence																																			
Pershable Tooling			▶																																			
MRO			▶																																			
General Overhead			▶																																			
Energy			▶																																			
Other			▶																																			
		<p>Comments <input type="text"/></p>																																				

FIG 16

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Reports	X
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Standard Report Package

Cost Components

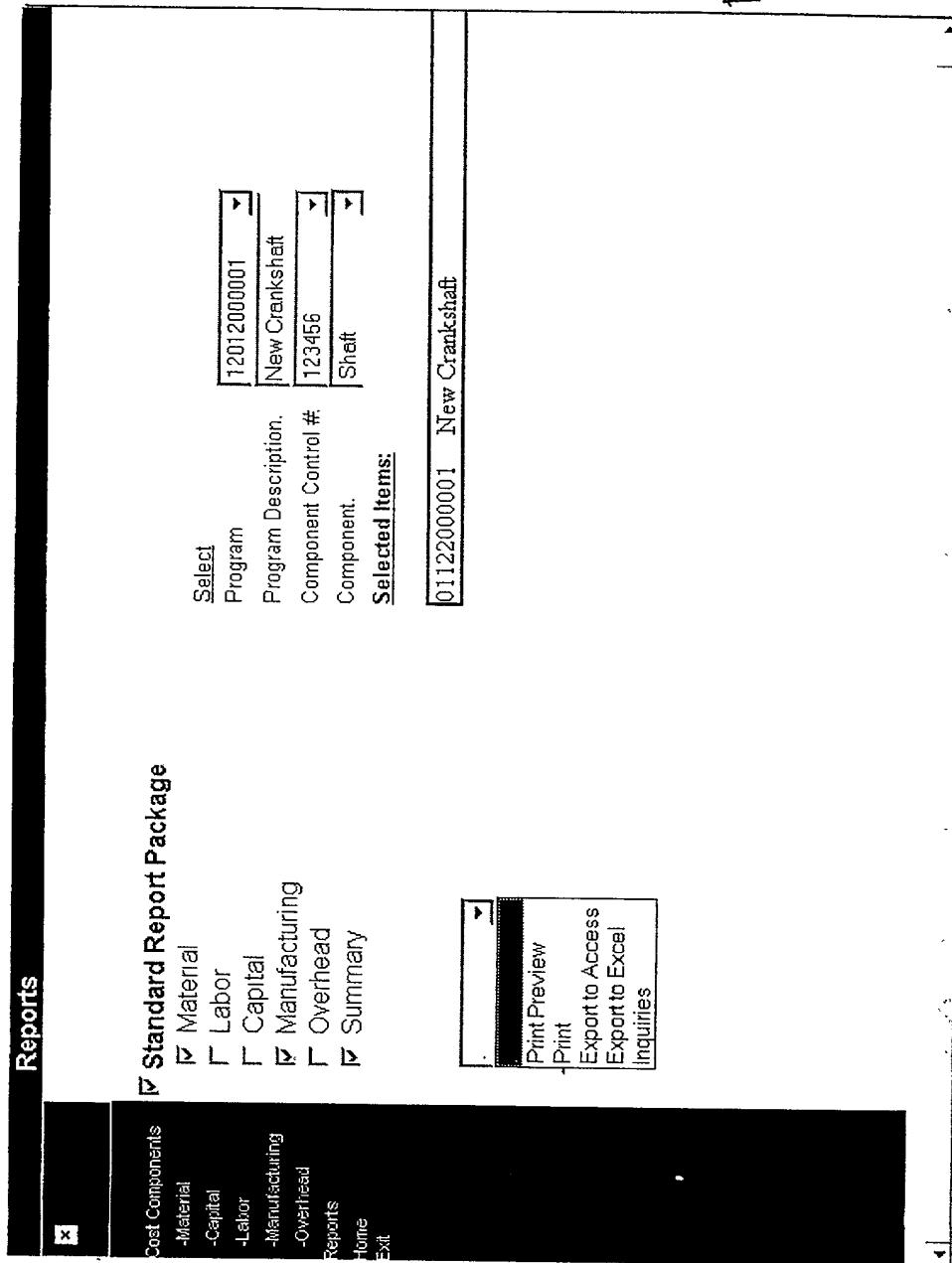
Material
 Labor
 Capital
 Manufacturing
 Overhead
 Summary

Program

Program Description
Component Control #:
Component:
Selected Items:

Cancel Help

FIG 17



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FIG 18